

C	13	943	2	US-GB-142-368A.12
C	14	943	2	US-GB-667-727-12
C	15	129-0	4	US-GB-037-230B.12
C	16	106-0	1	US-GB-846-705-4
C	17	100-0	3	US-GB-846-704-3
C	18	100-0	4	US-09-318-448-3
C	19	100-0	4	US-09-099-041A-3
C	20	162-0	4	US-09-345-281-3
C	21	100-0	4	US-09-297-159B.3
C	22	100-0	1	US-08-518-474-1
C	23	100-0	1	US-08-518-474-7
C	24	100-0	4	US-09-178-252-7
C	25	106-0	4	US-09-246-744A.1
C	26	100-0	3	US-09-919-942-2
C	27	100-0	4	US-09-099-041A.1
C	28	100-0	4	US-09-245-281-1
C	29	100-0	4	US-09-279-271-2
C	30	100-0	4	US-09-207-359B.1
C	31	100-0	1	US-08-294-872-1
C	32	100-0	5	PCT-095-09823-1
C	33	100-0	2	US-08-780-370A.1
C	34	100-0	5	PCT-US26-053202-113
C	35	100-0	4	US-09-605-785-134
C	36	100-0	4	US-09-439-313-34
C	37	100-0	4	US-09-352-616A.334
C	38	100-0	4	US-09-232-149A.334
C	39	100-0	3	US-08-834-306-17
C	40	100-0	4	US-08-945-674A.17
C	41	100-0	4	US-09-256-976-17
C	42	100-0	4	US-09-920-663-3
C	43	100-0	2	US-09-069-923-2
C	44	100-0	2	US-08-555-723B.4
C	45	100-0	4	US-09-123-465-4

ALIGNMENTS

PEIRESULT 1
 SEQIDNO:5520913-13
 SEQIDNO:5520913
 INVENTOR: WILLIAM F. BOHSTEIN,
 APPLICANT: ANDERSON, STEPHEN; BENNETT, WILLIAM F.; BOHSTEIN,
 APPLICANT: DEBORAH L.; PAONI, NICHOLAS F.; ZOLLER, MARK J.
 TITLE OF INVENTION: TISSUE PLASMINOGEN ACTIVATOR HAVING
 CYTOGENIC PROPERTIES
 NUMBER OF SEQUENCES: 35
 CYPHER™ APPLICATION DATA:
 APPLICATION NUMBER: US/08/88,451
 FILING DATE: 06-JUL-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 770,510
 FILING DATE: 03-OCT-1991
 APPLICATION NUMBER: 384,608
 FILING DATE: 24-JUL-1989
 APPLICATION NUMBER: 240,856
 FILING DATE: 02-SEP-1988
 SEQ ID NO:13:
 LENGTH: 36
 5520913-13
 Alignment Scores:
 Pred. No.:
 Score: 28.3
 Percent Similarity: 23.9%
 Best Local Similarity: 100.00%
 Query Match: 100.00%
 DB: 6
 Length: 36
 Matches: 5
 Conservative: 9
 Mismatches: 0
 Gaps: 0
 DB: 6
 JS: 09-856-070-25 (1-5) x 5520913-13 (1-36)
 QF: 1 Methionylarginyl 5
 LIIIIIIIIIIIIII
 DB: 15 Arglycylactyl 29

SUMMARY

```

database : issued_patents_NA:*
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 2: /seqn2_6/_proddata/2/ina/seqn2_COMB_seq,* *
 3: /seqn2_6/_proddata/2/ina/seqn2_COMB_seq,* *
 4: /seqn2_6/_proddata/2/ina/seqn2_COMB_seq,* *
 5: /seqn2_6/_proddata/2/ina/seqn2_COMB_seq,* *
 6: /seqn2_6/_proddata/2/ina/backtrace/seq,* *

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the total score distribution and is derived by analysis of the total score distribution.

```

RESULT 2
Sequence A, Application US/0908055A
Patient No. 608721
GENERAL INFORMATION
APPLICANT: Saras, Jan
APPLICANT: Franzn, petra
APPLICANT: Aspenstrm, Pontus
APPLICANT: Hellman, Ulf
APPLICANT: Gomez, Leonel Jorge
APPLICANT: Heidin, Carl-Henrik
TITLE OF INVENTION: PARG: A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
FILE REFERENCE: 104617030
CURRENT APPLICATION NUMBER: US/09/080,855A
EARLIER FILING DATE: 1998-05-18
EARLIER APPLICATION NUMBER: 08/805,583
NUMBER OF SEQ ID NO: 39
SOFTWARE: Fast SEQ for Windows Version 3.0
LENGTH: 256
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: OTHER INFORMATION: n - a, c, q or t
NAME/KEY: unsure
LOCATION: 36...46
OTHER INFORMATION: n - a, c, q or t
SEQ ID NO 4
8 09 080-855-4

Alignment Scores:
Pred. No.: 237
Length: 256
Score: 23.00
Conservative: 5
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 3
Gaps: 0

US-09-080-855-4-070-25 (1-5) x US-09-080-855-26 (1-298)

RESULT 3
Sequence B, Application US/09080855A
Patient No. 608721
GENERAL INFORMATION
APPLICANT: Saras, Jan
APPLICANT: Franzn, petra
APPLICANT: Aspenstrm, Pontus
APPLICANT: Hellman, Ulf
APPLICANT: Gomez, Leonel Jorge
APPLICANT: Heidin, Carl-Henrik
TITLE OF INVENTION: PARG: A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
FILE REFERENCE: 104617030
CURRENT APPLICATION NUMBER: US/09/080,855A
EARLIER FILING DATE: 1998-05-18
EARLIER APPLICATION NUMBER: 08/805,583
NUMBER OF SEQ ID NO: 39
SOFTWARE: Fast SEQ for Windows Version 3.0
LENGTH: 256
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: OTHER INFORMATION: n - a, c, q or t
NAME/KEY: unsure
LOCATION: 294...294
OTHER INFORMATION: n - a, c, q or t
HS-09-080-855-26

Alignment Scores:
Pred. No.: 279
Length: 298
Score: 23.00
Conservative: 5
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 3
Gaps: 0

US-09-080-855-4-070-25 (1-5) x HS-09-080-855-26 (1-298)

RESULT 4
Sequence C, Application US/09080855A
Patient No. 608721
GENERAL INFORMATION
APPLICANT: Saras, Jan
APPLICANT: Franzn, petra
APPLICANT: Aspenstrm, Pontus
APPLICANT: Hellman, Ulf
APPLICANT: Gomez, Leonel Jorge
APPLICANT: Heidin, Carl-Henrik
TITLE OF INVENTION: PARG: A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
FILE REFERENCE: 104617030
CURRENT APPLICATION NUMBER: US/09/080,855A
EARLIER FILING DATE: 1998-05-18
EARLIER APPLICATION NUMBER: 08/805,583
NUMBER OF SEQ ID NO: 39
SOFTWARE: Fast SEQ for Windows Version 3.0
LENGTH: 256
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: OTHER INFORMATION: n - a, c, q or t
NAME/KEY: unsure
LOCATION: 282...282
OTHER INFORMATION: n - a, c, q or t
FEATURE: OTHER INFORMATION: n - a, c, q or t
NAME/KEY: unsure
LOCATION: 294...294
OTHER INFORMATION: n - a, c, q or t
HS-09-080-855-26

Alignment Scores:
Pred. No.: 279
Length: 298
Score: 23.00
Conservative: 5
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 3
Gaps: 0

US-09-080-855-4-070-25 (1-5) x HS-09-080-855-26 (1-298)

RESULT 5
Sequence D, Application US/09080855A
Patient No. 608721
GENERAL INFORMATION
APPLICANT: Saras, Jan
APPLICANT: Franzn, petra
APPLICANT: Aspenstrm, Pontus
APPLICANT: Hellman, Ulf
APPLICANT: Gomez, Leonel Jorge
APPLICANT: Heidin, Carl-Henrik
TITLE OF INVENTION: PARG: A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
FILE REFERENCE: 104617030
CURRENT APPLICATION NUMBER: US/09/080,855A
EARLIER FILING DATE: 1998-05-18
EARLIER APPLICATION NUMBER: 08/805,583
NUMBER OF SEQ ID NO: 26
SOFTWARE: Fast SEQ for Windows Version 3.0
LENGTH: 298
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE: OTHER INFORMATION: n - a, c, q or t
NAME/KEY: unsure
LOCATION: 280...280
OTHER INFORMATION: n - a, c, q or t
US-09-080-855-18

Alignment Scores:
Pred. No.: 289
Length: 289
Score: 23.00
Conservative: 5
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 3
Gaps: 0

```

Percent Similarity: 100.00%保守性: 0
 Best Local Similarity: 100.00%错配数: 0
 Query Match: 300.00%插入数: 0
 DB: US-09-856-070-25 (1-5) v US-09-080-855-18 (1-308)

QY 1 MetleuArgLeuGln 5
 |||||||
 Db 228 ATGTGNAGCTGTGAG 214

RESULT 5
 Sequence 29, Application US/09/080855A
 Patent No. 6083711
 GENERAL INFORMATION:
 APPLICANT: Saras, Jan
 APPLICANT: Franzin, Petra
 APPLICANT: Asperström, Pontus
 APPLICANT: Hellman, Ulf
 APPLICANT: Gómez, Leónel Jorge
 TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
 FILE REFERENCE: 10461/7030
 CURRENT APPLICATION NUMBER: US/09/080-855A
 CURRENT FILING DATE: 1998-05-18
 EARLIER APPLICATION NUMBER: 08/805,583
 EARLIER FILING DATE: 1997-02-25
 NUMBER OF SEQ ID NOS: 39
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 29

LENGTH: 365
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE: unsure
 NAME/KEY: unsure
 LOCATION: 230..230
 OTHER INFORMATION: n - a, c, g or t
 FEATURE:
 NAME/KEY: unsure
 LOCATION: 287..287
 OTHER INFORMATION: n - a, c, g or t
 FEATURE:
 NAME/KEY: unsure
 LOCATION: 307..307
 OTHER INFORMATION: n - a, c, g or t
 FEATURE:
 NAME/KEY: unsure
 LOCATION: 334..334
 OTHER INFORMATION: n - a, c, g or t
 FEATURE:
 NAME/KEY: unsure
 LOCATION: 339..339
 OTHER INFORMATION: n - a, c, g or t
 FEATURE:
 NAME/KEY: unsure
 LOCATION: 360..360
 OTHER INFORMATION: n - a, c, g or t
 US-09-080-855-29

Alignment Scores:
 Pred. No.: 429 Length: 443
 Score: 23.00 Matches: 5
 Percent Similarity: 100.00% Conservativeness: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 300.00% Insertions: 0
 DB: 300.00% Gaps: 0

RESULT 6
 Sequence 19, Application US/09/080855A
 Patent No. 6083721
 GENERAL INFORMATION:
 APPLICANT: Saras, Jan
 APPLICANT: Franzin, Petra
 APPLICANT: Asperström, Pontus
 APPLICANT: Hellman, Ulf
 APPLICANT: Gómez, Leónel Jorge
 TITLE OF INVENTION: PARG, A GTPASE ACTIVATING PROTEIN WHICH INTERACTS WITH PTPL1
 FILE REFERENCE: 10461/7030
 CURRENT APPLICATION NUMBER: US/09/080-855A
 CURRENT FILING DATE: 1998-05-18
 EARLIER APPLICATION NUMBER: 08/805,583
 EARLIER FILING DATE: 1997-02-25
 NUMBER OF SEQ ID NOS: 39
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 19

LENGTH: 443
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: unsure
 LOCATION: 59..59
 OTHER INFORMATION: n - a, c, g or t
 US-09-080-855-19

Alignment Scores:
 Pred. No.: 429 Length: 443
 Score: 23.00 Matches: 5
 Percent Similarity: 100.00% Conservativeness: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 300.00% Insertions: 0
 DB: 300.00% Gaps: 0

RESULT 7
 Sequence 17, Application US/08557309B
 Patent No. 5916672
 GENERAL INFORMATION:
 APPLICANT: Reed, Steven G.
 APPLICANT: Skeiky, Yesir A.W.
 APPLICANT: Lodes, Michael J.
 APPLICANT: Houghton, Raymond L.
 APPLICANT: Prevention and Detection and Prevention of Compounds and Methods for the Detection and Prevention of Sequences; 69
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SEED and BERRY LLP
 STREET: 6400 Columbia Center 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: USA
 ZIP: 98104-3092
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: MS-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/557,309B
 FILING DATE: 14-Nov-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENCY INFORMATION:
 NAME: Makki, David J.

QY 1 MetleuArgLeuGln 5
 |||||||
 Db 228 ATGTGAGCTCCAG 214

RESULT 10
 US-09-228-986-38/C
 Sequence 48, Application US/09228986
 Patient No. 6359198
 GENERAL INFORMATION:
 APPLICANT: Nieuwenhuizen, Niels
 TITLE OF INVENTION: Compositions Isolated from Plant Cells
 TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling
 FILE REFERENCE: 11000/1020
 CURRENT APPLICATION NUMBER: US/09/228,986
 CURRENT FILING DATE: 1999-01-12
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 38
 LENGTH: 822
 TYPE: DNA
 ORGANISM: Eucalyptus grandis
 US-09-228-986-38

Alignment Scores:
 Pred. No.: 838 Length: 822
 Score: 23.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 4 Gaps: 0

US-09-856-070-25 (1.5) x US 09 228 986-38 (1.822)

Qy 1 MethionArgLeuGln 5
 Db 791 ATGTCGCTCTAA 777

RESULT 11
 US-07-807-043B-12/C
 Sequence 12, Application US/07807043B
 Patent No. 5342774
 GENERAL INFORMATION:
 APPLICANT: Boon, Thierry, Van den Eynde, Benoît
 TITLE OF INVENTION: Tumor Rejection Antigen Precursors, Tumor
 Rejection Antigen and Uses Thereof
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 STREET: 805 Third Avenue
 CITY: New York City
 ZIP: 10022
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
 COMPUTER: IBM
 OPERATING SYSTEM: PC-DOS
 SOFTWARE: Wordperfect
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/807,043H
 FILING DATE: 1991-12-22
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/764,364
 FILING DATE: 23-SEPTEMBER-1991
 PRIORITY APPLICATION NUMBER: 07/728,838
 FILING DATE: 9-JULY-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Hansson, No. 5342774man D.
 REGISTRATION NUMBER: 30,946

REFERENCE/OCKET NUMBER: LWD 253.3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 688-9000
 TELEFAX: (212) 838-3884
 INFORMATION FOR SEQ ID NO: 12:
 SEGMENT CHARACTERISTICS:
 LENGTH: 643 base pairs
 TYPE: NUCLEIC ACID
 STRANDEDNESS: singular
 TOPOLOGY: linear
 MOLECULE TYPE: genomic DNA
 FEATURE:
 NAME/KEY: MAGE-31 gene
 US 97 837 043B 12

Alignment Scores:
 Pred. No.: 972 Length: 943
 Score: 23.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 1 Gaps: 0

US-09-446-070-25 (1.5) x US-07-807-043B-12 (1.943)

Qy 1 MethionArgLeuGln 5
 Db 322 ATGCTGGAGCTCAG 368

RESULT 12
 US-08-291-849B-12/C
 Sequence 12, Application US/08299849B
 Patent No. 561201
 GENERAL INFORMATION:
 APPLICANT: De Plaein, Etienne; Boon-Fallour, Thierry;
 APPLICANT: Letch, Bernard; Szikora, Jean-Pierre; De Smet, Charles;
 APPLICANT: Chomaz, Patrick
 TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful In
 Determining Expression Of A Tumor Antigen Precursor
 NUMBER OF SEQUENCES: 48
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Felle & Lynch
 STREET: 805 Third Avenue
 CITY: New York City
 STATE: New York
 ZIP: 10022
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
 COMPUTER: IBM
 OPERATING SYSTEM: PC-DOS
 SOFTWARE: Wordperfect
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 07/38/259, 849B
 FILING DATE: 1-SEPTEMBER-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/037,230
 FILING DATE: 26-MARCH-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/037,204354
 FILING DATE: 22-MAY-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/807,043
 FILING DATE: 12-DECEMBER-1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/764,364
 FILING DATE: 9-JULY-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/728,838
 FILING DATE: 9-JULY-1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/705,702
 FILING DATE: 23-May-1991

ATTORNEY/AGENT INFORMATION:
 NAME: Hanson, No. 56, 220 Ulman Dr.
 REGISTRATION NUMBER: 40,946
 REFERENCE/DOCKET NUMBER: LUD 5355
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 689-9200
 FAX: (212) 684-4844
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 943 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: genomic DNA
 FEATURE:
 NAME/KEY: MAGE-31 gene
 OS: OB 299-8498-12

Alignment Scores:
 Pred. No.: 972 Length: 943
 Score: 23.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 0 Gaps: 0

Sequence 12: Sequence 12: US 08/368A-12 (1-943)
 Patent No. 5,925,729

GENERAL INFORMATION:
 APPLICANT: Boon-Falleur, Thierry; Van der Bruggen, Beno; de Pelaer, Etienne;
 APPLICANT: Lurquin, Christophe; Chomé, Patrick; Traverari, Catia;
 APPLICANT: Van den Eynde, Beno; Van Pei, Alain; de Plaine, Etienne;
 TITLE OF INVENTION: Tumor Rejection Antigen Precursors, Tumor
 NUMBER OF INVENTION: Rejection Antigens and Uses Thereof
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Felice & Lynch
 STREET: 805 Third Avenue
 CITY: New York City
 STATE: New York
 ZIP: 10022

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
 COMPUTER: IBM
 OPERATING SYSTEM: PC DOS
 SOFTWARE: Wordperfect
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/142,368A
 FILING DATE: 02 MAY 1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US92/04354
 FILING DATE: 22 MAY 1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/807,643
 FILING DATE: 12 DECEMBER 1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/764,364
 FILING DATE: 23 SEPTEMBER 1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/728,838
 FILING DATE: 9 JULY 1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/705,702
 FILING DATE: 23 May 1991

ATTORNEY/AGENT INFORMATION:
 NAME: Hanson, No. 5925,729;man, D.
 REGISTRATION NUMBER: 40,946
 REFERENCE/DOCKET NUMBER: LUD 5253,4-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 689-9200
 FAX: (212) 638-3884
 INFORMATION FOR SEQ ID NO: 31:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 943 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: genomic DNA
 FEATURE:
 NAME/KEY: MAGE-31 gene
 OS: OB 142 368A-12

Alignment Scores:
 Pred. No.: 972 Length: 943
 Score: 23.00 Matches: 5
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 2 Gaps: 0

Sequence 31: Sequence 31: US 08/368A-12 (1-943)
 Patent No. 5,925,729

GENERAL INFORMATION:
 APPLICANT: Gaugier, Béatrice; Van den Eynde, Beno; Boon-Falleur, Thierry;
 APPLICANT: van der Bruggen, Pierre; Boon-Falleur, Thierry
 TITLE OF INVENTION: Isolated Nucleic Acid Molecules Coding For
 NUMBER OF SEQUENCES: 30
 CORRESPONDENCE ADDRESS:
 ADDRESS: 805 Third Avenue
 STREET: 805 Third Avenue
 CITY: New York City
 STATE: New York
 ZIP: 10022
 MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
 COMPUTER: IBM
 OPERATING SYSTEM: PC DOS
 SOFTWARE: Wordperfect
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/967,727

FILING DATE: 10 MAY 1992
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/037,230
 FILING DATE: 26 MARCH 1993
 APPLICATION NUMBER: PCT/US92/04354
 FILING DATE: 22 MAY 1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/807,044
 FILING DATE: 12 DECEMBER 1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/764,364
 FILING DATE: 23 SEPTEMBER 1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/728,838
 FILING DATE: 9 JULY 1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 07/705,702
 FILING DATE: 23 May 1991

FILING DATE: 23-MAY-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Hanson, No. 6025474man D.
 REGISTRATION NUMBER: 30 946
 REFERENCE/DOCKET NUMBER: LUD 5353
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 688-9200
 TELEFAX: (212) 838-3884
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 943 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: genomic DNA
 FEATURE:
 NAME/KEY: MAGE-31 gene
 US-08-037-2305-12

Alignment Scores:
 Fred No.: 972 Length: 943
 Score: 23.00 Matches: 5
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Best Local Similarity: 100.0% Indels: 0
 Query Match: 100.0% Gaps: 0
 DB: 322 ATCTGAGCCGAG 308

US-09-856-070-25 (1-5) & US-09-037-2305-12 (1-943)

QY 1 MetLeuArgLeuGln 5
 1111111111
 Db 322 ATCTGAGCCGAG 308

RESULT 15
 US-08-037-2305-12/6
 Sequence 12, Application US/08037230D
 Patent No. 6235525

GENERAL INFORMATION:
 APPLICANT: Gaugler, Bratrice; Van den Eynde, Beno t;
 APPLICANT: van der Bruggen, Pierre; Boon-Falleur, Thierry
 TITLE OF INVENTION: Isolated Nucleic Acid Molecules Coding For
 TITLE OF INVENTION: Tumor Rejection Antigen Precursor Mage-3 And Uses Thereof
 NUMBER OF SEQUENCES: 30
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Felle & Lynch
 STREET: 805 Third Avenue
 CITY: New York City
 STATE: New York
 ZIP: 10022

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 5 1/4 inch, 360 kb storage
 COMPUTER: IBM
 OPERATING SYSTEM: PC-DOS
 SOFTWARE: Wordperfect

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US92/04354
 FILING DATE: 22-MAY-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07,2807,043
 FILING DATE: 12-DECEMBER-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07,764,364
 FILING DATE: 23-SEPTEMBER-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07,728,838
 FILING DATE: 9-JULY-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07,705,702
 FILING DATE: 23-MAY-1991

